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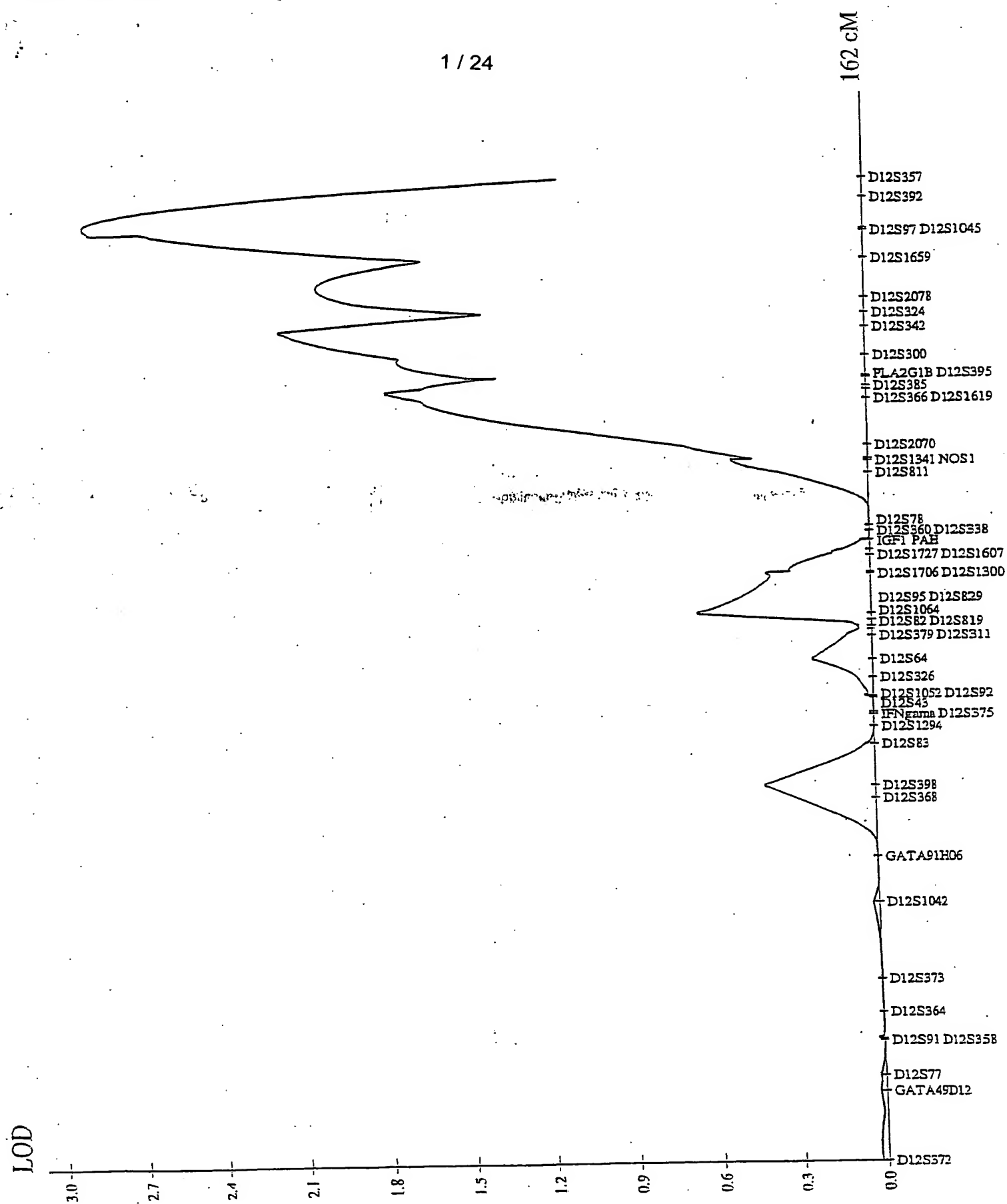


Figure 1

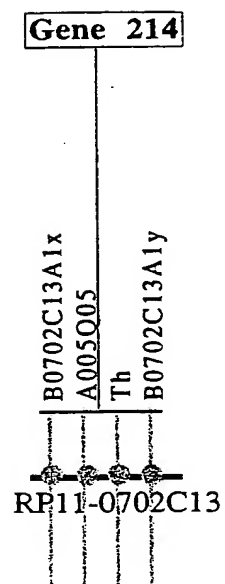


Figure 2

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10	30	50
TCACGAGCTGCCCACGTCCTCTCCAGGAAGGGACCCCGGGTTCACGAGCTGCCCACGTCG		
T S C P R P L Q E G T P G S R A A H V V		
70	90	110
TCTCCAGGAAGGGACCCCGGGTCCACGAGCTGCCCACGTCCTCTCCAGGAAGGGACCCCGG		
S R K G P G S T S C P R P L Q E R T R V		
130	150	170
TCCACGAGCTGGCCACGTCCTCTGCAGGAAGGGACCCCGGGTCCACGAGCTGCCCACGTC		
H E L A T S S A G R D P G S T S C P R P		
190	210	230
CTCTCCAGGAAGGGACCCCGGGTTCACGAGCTGCCCACGTCCTCTCCAGGAAGGGACCC		
L Q E G T P G S R A A H V L S R K G P R		
250	270	290
GGGTCCACGAGCTGCCCACGTCCTCTCCAGGAAGGGACCCCGGGTCCACGAACTGCCCAC		
V H E L P T S S P G R D P G S T N C P R		
310	330	350
GTCCTCTCCAGGAAGGGACCCCGGGTTCACGAGCTGCCCACGTCCTCTCCAGGAGGGGAC		
P L Q E G T P G S R A A H V L S R R G H		
370	390	410
ACCGGGTTCACGAGCTGCCCACGCCCTCTCCAGGAAGGGACCCCGGGTTCATGAGCTGCC		
R V H E L P T P S P G R D P G F M S C P		
430	450	470
CACGTCCTCTCCAGGAAGGGACCCCGGGTCCACGAACTGCCCACGCCCTCTCCAGGAGGGG		
R P L Q E G T R V H E L P T P S P G G D		
490	510	530
ACCCGGGTCCACGAGCTGCCCACGTCGTCACGGAAGGGACCCCGGGTCCACGAGCTGCC		
P G P R A A H V V N G K G P G S T S C P		

Figure 3A

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550 570 590
CACGTCCTCTCCAGGAAGGGACCCGGGTCCACGAACTGCCACGCGCTCTCCAGGAGGGG
R P L Q E G T R V H E L P T R S P G G D

610 630 650
ACACCGGGTTCACGAGCTGCCCACGCCCTCTCCAGGAAGGGACCCCGGGTTCACGAGCTG
T G F T S C P R P L Q E G T P G S R A A

670 690 710
CCCACGTCCTCTCCAGGAGGGGACACCGGGTTCACGAGCTGCCACGTCCTCTCCAGGAG
H V L S R R G H R V H E L P T S S P G G

730 750 770
GGGACACCGGGTTCACGAGCTGCCACGCCCTCTCCAGGAGGGGACACCGGGTTCACGAG
D T G F T S C P R P L Q E G T P G S R A

790 810 830
CTGCCCACGTCCTCTCCAGGAAGGGACCCGGGTCCACGAGCTGCCACGTCCTCTCCAGG
A H V L S R K G P G S T S C P R P L Q E

850 870 890
AGGGGACACCGGGTTCACGAGCTGCCACGCACTTTCCAGGAAGGGACCCCGGGTTCAGG
G T P G S R A A H A L S R K G P R V Q V

910 930 950
TCTCCTGCCGGCCACATCGTGCCTTTGTGTAAATCAGAAGAAAGATGAGGAACAGGCC
S C R P T S C L C V N Q K K D E E Q A L

970 990 1010
TCCTCTCTCTCCAGGCAGGCTTTGGTGGAGGGGCTGGATCTCCTGCCGCACCTTCCCTGG
L S L Q A G F G G G A G S P A A P S L A

1030 1050 1070
CAGGGCACCTGTGCTTGAGCCCCAGAACTGCAGGCGGCCGGCAGAGAAGGGTCCATGA
G H P V L E P Q N C R R P A E K G S M M

Figure 3B

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1090	1110	1130
TGGCGCCTCGGTGCGCAGCCTTGGACCTGCCCCATGGACCTGGGAACCTCCCGGCTCTT		
A P R C A A L D L P P W T W E P P G S S		
1150	1170	1190
CCCACTCGGGAAAGGAAGGCTCTGGGCATGGAGGTGCGCCAGGCCCATCCCCGTACCCT		
H S G K E G S G H G G R P G P I P V P W		
1210	1230	1250
GGCCCTTCTTCTGCTTCCTGTTTGTCACTGCCCCGGGGCCTTTGCACCTGCATTCCCTC		
P F F L L P V C H C P G A F A P A F P L		
1270	1290	1310
TCTCTAGACAGGGTTTCTCCTCATTGGCCAGGCTGGTCTCGAACTCCTGACCTCAGACGA		
S R Q G F S S L A R L V S N S *		
1330	1350	1370
TCCACCTGCCTCAGCCTCCCGAAGTGTTGGGATTACAGGCACGAGCCACTGTGCCCGGCC		
1390	1410	1430
ATCATTCCCTTTTTACTGCTGACTAATAGTCTGCTGTGTGAATCCACCGCTAGAAACCCAC		
1450	1470	1490
TCATCAGTTGATGGTCATGTGGGTTGCTTCTGCTATTGCTTATTATGAACAGTGCTGGA		
1510	1530	1550
ATAAACGTTCTGTGCACTCTTGGGCATACGCCTAGGAGTGGAAGTCTGGGTCAAAAAA		
1570	AAAAA	

Figure 3C

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10 30 50
TCACGAGCTGCCCACGTCCTCTCCAGGAAGGGACCCCGGGTTCACGAGCTGCCCACGTCG
T S C P R P L Q E G T P G S R A A H V V

70 90 110
TCTCCAGGAAGGGACCCCGGGTCCACGAGCTGCCCACGTCCTCTCCAGGAAGGGACCCCGG
S R K G P G S T S C P R P L Q E R T R V

130 150 170
TCCACGAGCTGGCCACGTCCTCTGCAGGAAGGGACCCCGGGTCCACGAGCTGCCCACGTC
H E L A T S S A G R D P G S T S C P R P

190 210 230
CTCTCCAGGAAGGGACCCCGGGTTCACGAGCTGCCCACGTCCTCTCCAGGAAGGGACCCCG
L Q E G T P G S R A A H V L S R K G P R

250 270 290
GGGTCCACGAGCTGCCCACGTCCTCTCCAGGAAGGGACCCCGGGTCCACGAACTGCCCAC
V H E L P T S S P G R D P G S T N C P R

310 330 350
GTCTCTCCAGGAAGGGACCCCGGGTTCACGAGCTGCCCACGTCCTCTCCAGGAGGGGAC
P L Q E G T P G S R A A H V L S R R G H

370 390 410
ACCGGGTTCACGAGCTGCCCACGCCCTCTCCAGGAAGGGACCCCGGGTTCATGAGCTGCC
R V H E L P T P S P G R D P G F M S C P

430 450 470
CACGTCCTCTCCAGGAAGGGACCCCGGGTCCACGAACTGCCCACGCCCTCTCCAGGAGGGG
R P L Q E G T R V H E L P T P S P G G D

490 510 530
ACCCGGGTCCACGAGCTGCCCACGTCGTCACGGGAAGGGACCCCGGGTCCACGAGCTGCC
P G P R A A H V V N G K G P G S T S C P

550 570 590

Figure 4A

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CACGTCCTCTCCAGGAAGGGACCCGGGTCCACGAACTGCCCACGCGCTCTCCAGGAGGGG
R P L Q E G T R V H E L P T R S P G G D

610 630 650

ACACCGGGTTCACGAGCTGCCACGCCCTCTCCAGGAAGGGACCCCGGGTTCACGAGCTG
T G F T S C P R P L Q E G T P G S R A A

670 690 710

CCCACGTCCTCTCCAGGAGGGGACACCGGGTTCACGAGCTGCCACGTCCTCTCCAGGAG
H V L S R R G H R V H E L P T S S P G G

730 750 770

GGGACACCGGGTTCACGAGCTGCCACGCCCTCTCCAGGAGGGGACACCGGGTTCACGAG
D T G F T S C P R P L Q E G T P G S R A

790 810 830

CTGCCCACGTCCTCTCCAGGAAGGGACCCGGGTCCACGAGCTGCCACGTCCTCTCCAGG
A H V L S R K G P G S T S C P R P L Q E

850 870 890

AGGGGACACCGGGTTCACGAGCTGCCACGCACTTTCAGGAAGGGACCCCGGGTTCAGG
G T P G S R A A H A L S R K G P R V Q V

910 930 950

TCTCCTGCCGGCCACATCGTCCTTTGTGTAAATCAGAAGAAAGATGAGGAACAGGCCC
S C R P T S C L C V N Q K K D E E Q A L

970 990 1010

TCCTCTCTCTCCAGGCAGGCTTTGGTGGAGGGGCTGGATCTCCTGCCGCACCTTCCCTGG
L S L Q A G F G G G A G S P A A P S L A

1030 1050 1070

CAGGGCACCCCTGTGCTTGAGCCCCAGAACTGCAGGCGGCCGGCAGAGAAGGGGTCCATGA
G H P V L E P Q N C R R P A E K G S M M

1090 1110 1130

TGGCGCCTCGGTGCGCAGCCTTGGACCTGCCCCATGGACCTGGAGACAGGGTTTCTCCT
A P R C A A L D L P P W T W R Q G F S S

Figure 4B

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1150 1170 1190
CATTGGCCAGGCTGGTCTCGAACTCCTGACCTCAGACGATCCACCTGCCTCAGCCTCCCCG
L A R L V S N S *
1210 1230 1250
AAGTGTTGGGATTACAGGCACGAGCCACTGTGCCCGGCCATCATTCTTTTACTGCTGA
1270 1290 1310
CTAATAGTCTGCTGTGTGAATCCACCGCTAGAAACCCACTCATCAGTTGATGGTCATGTG
1330 1350 1370
GGTTGCTTCTGCTATTGCTTATTATGAACAGTGCTGGAATAAACGTTCTGTGCACTCT
1390 1410 1430
TGGGCATACGCCTAGGAGTGGAAGTCTGGGTCAAAAAAAAAAAAAAAAAAAAAAAAAA

A

Figure 4C

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10 30 50
TCACGAGCTGCCCACGTCCTCTCCAGGAAGGGACCCCGGGTTCACGAGCTGCCCACGTCG
T S C P R P L Q E G T P G S R A A H V V

70 90 110
TCTCCAGGAAGGGACCCCGGGTCCACGAGCTGCCCACGTCCTCTCCAGGAAGGGACCCCGG
S R K G P G S T S C P R P L Q E R T R V

130 150 170
TCCACGAGCTGGCCACGTCCTCTGCAGGAAGGGACCCCGGGTCCACGAGCTGCCCACGTC
H E L A T S S A G R D P G S T S C P R P

190 210 230
CTCTCCAGGAAGGGACCCCGGGTTCACGAGCTGCCCACGTCCTCTCCAGGAAGGGACCC
L Q E G T P G S R A A H V L S R K G P R

250 270 290
GGGTCCACGAGCTGCCCACGTCCTCTCCAGGAAGGGACCCCGGGTCCACGAACTGCCCAC
V H E L P T S S P G R D P G S T N C P R

310 330 350
GTCCTCTCCAGGAAGGGACCCCGGGTTCACGAGCTGCCCACGTCCTCTCCAGGAGGGGAC
P L Q E G T P G S R A A H V L S R R G H

370 390 410
ACCGGGTTCACGAGCTGCCCACGCCCTCTCCAGGAAGGGACCCCGGGTTCATGAGCTGCC
R V H E L P T P S P G R D P G F M S C P

430 450 470
CACGTCCTCTCCAGGAAGGGACCCCGGGTCCACGAACTGCCCACGCCCTCTCCAGGAGGGG
R P L Q E G T R V H E L P T P S P G G D

490 510 530
ACCCGGGTCCACGAGCTGCCCACGTCGTCAACGGGAAGGGACCCCGGGTCCACGAGCTGCC
P G P R A A H V V N G K G P G S T S C P

Figure 5A

10/24

550 570 590
CACGTCCTCTCCAGGAAGGGACCCGGGTCCACGAACTGCCCACGCGCTCTCCAGGAGGGG
R P L Q E G T R V H E L P T R S P G G D

610 630 650
ACACCGGGTTTCACGAGCTGCCCACGCCCTCTCCAGGAAGGGACCCCGGGTTTCACGAGCTG
T G F T S C P R P L Q E G T P G S R A A

670 690 710
CCCACGTCCTCTCCAGGAGGGGACACCGGGTTTCACGAGCTGCCCACGTCCTCTCCAGGAG
H V L S R R G H R V H E L P T S S P G G

730 750 770
GGGACACCGGGTTTCACGAGCTGCCCACGCCCTCTCCAGGAGGGGACACCGGGTTTCACGAG
D T G F T S C P R P L Q E G T P G S R A

790 810 830
CTGCCCACGTCCTCTCCAGGAAGGGACCCGGGTCCACGAGCTGCCCACGTCCTCTCCAGG
A H V L S R K G P G S T S C P R P L Q E

850 870 890
AGGGGACACCGGGTTTCACGAGCTGCCCACGCACTTTCCAGGAAGGGACCCCGGGTTTCAGG
G T P G S R A A H A L S R K G P R V Q V

910 930 950
TCTCCTGCCGGCCACATCGTGCCTTTGTGTAAATCAGAAGAAAGATGAGGAACAGGCCC
S C R P T S C L C V N Q K K D E E Q A L

970 990 1010
TCCTCTCTCTCCAGGCAGGCTTTGGTGGAGGGGCTGGATCTCCTGCCGCACCTTCCCTGG
L S L Q A G F G G G A G S P A A P S L A

1030 1050 1070
CAGGGCACCCCTGTGCTTGAGCCCCAGAAGTGCAGGCGGCCGGCAGAGAAGGGGTCCATGA
G H P V L E P Q N C R R P A E K G S M M

Figure 5B

11/24

1090 1110 1130
TGGCGCCTCGGTGCGCAGCCTTGGACCTGCCCCCATGGACCTGGGAACCTCCCGGCTCTT
A P R C A A L D L P P W T W E P P G S S

1150 1170 1190
CCCACTCGGGAAAGGAAGGCTCTGGGCATGGAGCTTTATTGAGGTATAGTTGACAATTCA
H S G K E G S G H G A L L R Y S *

1210 1230 1250
GGACGGTGTGCACTCAAGGTATGCAGCATCACACCTGACACACGTAGGCATTGTGAAAT

1270 1290 1310
GAGTCCCACAATTGGGCTAATTAACACACCCATCACCTTACATGGTTACTTCTTTCTGTG

1330 1350 1370
GTGAGAACACTAAATTTTAAATAGAGGACACACAGCCTGGGCAACATAGTGAGACCCTGT

1390 1410 1430
CTCTACAAATATAAAAAAATTATCTGGACGTGGTGGTGCACACCTGTGGTCCCAGCTACT

1450 1470 1490
TGGGAAGCTGAGGCTGGAGAATCACTTGAGCCTGGGAGGCGGAGGTTGCGGTGCACTCCA

1510 1530 1550
GCCTGGGCGACAGAGGGAGGCCCTATCTCAAAATAAATAAATAAAGGACACATTCTTATC

1570
AAAAAAAAAAAAAAAA

Figure 5C

12/24

10 30 50
TCACGAGCTGCCCACGTCCTCTCCAGGAAGGGACCCCGGGTTCACGAGCTGCCCACGTCG
T S C P R P L Q E G T P G S R A A H V V

70 90 110
TCTCCAGGAAGGGACCCCGGGTCCACGAGCTGCCCACGTCCTCTCCAGGAAAGGACCCGGG
S R K G P G S T S C P R P L Q E R T R V

130 150 170
TCCACGAGCTGGCCACGTCCTCTGCAGGAAGGGACCCCGGGTCCACGAGCTGCCCACGTC
H E L A T S S A G R D P G S T S C P R P

190 210 230
CTCTCCAGGAAGGGACCCCGGGTTCACGAGCTGCCCACGTCCTCTCCAGGAAGGGACCC
L Q E G T P G S R A A H V L S R K G P R

250 270 290
GGGTCCACGAGCTGCCCACGTCCTCTCCAGGAAGGGACCCCGGGTCCACGAACTGCCCAC
V H E L P T S S P G R D P G S T N C P R

310 330 350
GTCCTCTCCAGGAAGGGACCCCGGGTTCACGAGCTGCCCACGTCCTCTCCAGGAGGGGAC
P L Q E G T P G S R A A H V L S R R G H

370 390 410
ACCGGGTTCACGAGCTGCCCACGCCCTCTCCAGGAAGGGACCCCGGGTTCATGAGCTGCC
R V H E L P T P S P G R D P G F M S C P

430 450 470
CACGTCCTCTCCAGGAAGGGACCCCGGGTCCACGAACTGCCCACGCCCTCTCCAGGAGGGG
R P L Q E G T R V H E L P T P S P G G D

490 510 530
ACCCGGGTCCACGAGCTGCCCACGTCGTCACGGGAAGGGACCCCGGGTCCACGAGCTGCC
P G P R A A H V V N G K G P G S T S C P

Figure 6A

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550 570 590
CACGTCCTCTCCAGGAAGGGACCCGGGTCCACGAACTGCCCACGCGCTCTCCAGGAGGGG
R P L Q E G T R V H E L P T R S P G G D

610 630 650
ACACCGGGTTCACGAGCTGCCCACGCCCTCTCCAGGAAGGGACCCGGGTTCACGAGCTG
T G F T S C P R P L Q E G T P G S R A A

670 690 710
CCCACGTCTCTCCAGGAGGGGACACCGGGTTCACGAGCTGCCCACGTCTCTCCAGGAG
H V L S R R G H R V H E L P T S S P G G

730 750 770
GGGACACCGGGTTCACGAGCTGCCCACGCCCTCTCCAGGAGGGGACACCGGGTTCACGAG
D T G F T S C P R P L Q E G T P G S R A

790 810 830
CTGCCCACGTCTCTCCAGGAAGGGACCCGGGTCCACGAGCTGCCCACGTCTCTCCAGG
A H V L S R K G P G S T S C P R P L Q E

850 870 890
AGGGGACACCGGGTTCACGAGCTGCCCACGCACTTTCAGGAAGGGACCCGGGTTCAGG
G T P G S R A A H A L S R K G P R V Q V

910 930 950
TCTCCTGCCGGCCACATCGTGCCTTTGTGTAAATCAGAAGAAAGATGAGGAACAGGCCC
S C R P T S C L C V N Q K K D E E Q A L

970 990 1010
TCCTCTCTCTCCAGGCAGGCTTTGGTGGAGGGGCTGGATCTCCTGCCGCACCTTCCCTGG
L S L Q A G F G G G A G S P A A P S L A

1030 1050 1070
CAGGGCACCCCTGTGCTTGAGCCCCAGAACTGCAGGCGGCCGCGCAGAGAAGGGGTCCATGA
G H P V L E P Q N C R R P A E K G S M M

Figure 6B

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1090 1110 1130
TGGCGCCTCGGTGCGCAGCCTTGGACCTGCCCCATGGACCTGGATGCCAGTGATGCCTG
A P R C A A L D L P P W T W M P V M P E

1150 1170 1190
AGGTCTGCAGGGCAGTGCATACGCTCACCGCCTGGCCGCTCAGGAGCCTGTGCTTGACCC
V C R A V H T L T A W P L R S L C L T P

1210 1230 1250
CCAAATCCGCCCCCAACTCCCTGTTACCGGCTCACTCCTTCCATGAGGGGCCTTCCCCA
K S A P Q L P V T G S L L P *

1270 1290 1310
GGGACAGCCGATGCTCTCCTGATGGCTCCTGCCCTTGCAGAGTGCTGCCCCCGCCTGCC

1330 1350 1370
ACCTGGCCTGGACCCTCGCCTGAGCCCCCTCAGGGCTCTGCGCCACCTCAACCCAGGCGT

1390 1410 1430
TTGTTCCGCAGGAACCTCCCGGCTCTTCCCCTCGGGAAAGGAAGGCTCTGGGCATGGAG

1450 1470 1490
GTCGGCCAGGCCCCATCCCCGTACCCTGGCCCTTCTTCCTGCTTCCTGTTTGTCACTGCC

1510 1530 1550
CCGGGGCCTTTGCACCTGCATTCCCTCTCTCTGTGAGTGTCTTGGGGCCCGTTACCCACG

1570 1590 1610
TCACCGTCCCAGGATACCTTTTCTTTTCTTTCTCTCTCTCCAGCTTTATTGAGGTATAGT

1630 1650 1670
TGACAATTCAGGACGGTGTGCACTCAAGGTATGCAGCATCACAACCTGACACACGTAGGC

1690 1710 1730
ATTGTGAAATGAGTCCCACAATTGGGCTAATTAACACACCCATCACCTTACATGGTTACT

Figure 6C

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1750 1770 1790
TCTTTCTGTGGTGAGAACACTAAATTTTAAATAGAGGACACACAGCCTGGGCAACATAGT

1810 1830 1850
GAGACCCTGTCTCTACAAATATAAAAAAATTATCTGGACGTGGTGGTGCACACCTGTGGT

1870 1890 1910
CCCAGCTACTTGGGAAGCTGAGGCTGGAGAATCACTTGAGCCTGGGAGGCGGAGGTTGCG

1930 1950 1970
GTGCACTCCAGCCTGGGCGACAGAGGGAGGCCCTATCTCAAATAAATAAATAAAGGACA

1990 2010
CATTCTTATCAAAAAAAAAAAAAAAAAAAAA

Figure 6D

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10 30 50
TCACGAGCTGCCCACGTCCTCTCCAGGAAGGGACCCCGGGTTCACGAGCTGCCCACGTCG
T S C P R P L Q E G T P G S R A A H V V

70 90 110
TCTCCAGGAAGGGACCCGGGTCCACGAGCTGCCCACGTCCTCTCCAGGAAGGGACCCGGG
S R K G P G S T S C P R P L Q E R T R V

130 150 170
TCCACGAGCTGGCCACGTCCTCTGCAGGAAGGGACCCCGGGTCCACGAGCTGCCCACGTC
H E L A T S S A G R D P G S T S C P R P

190 210 230
CTCTCCAGGAAGGGACCCCGGGTTCACGAGCTGCCCACGTCCTCTCCAGGAAGGGACCCG
L Q E G T P G S R A A H V L S R K G P R

250 270 290
GGGTCCACGAGCTGCCCACGTCCTCTCCAGGAAGGGACCCCGGGTCCACGAAGTCCCCAC
V H E L P T S S P G R D P G S T N C P R

310 330 350
GTCCTCTCCAGGAAGGGACCCCGGGTTCACGAGCTGCCCACGTCCTCTCCAGGAGGGGAC
P L Q E G T P G S R A A H V L S R R G H

370 390 410
ACCGGGTTCACGAGCTGCCCACGCCCTCTCCAGGAAGGGACCCCGGGTTCATGAGCTGCC
R V H E L P T P S P G R D P G F M S C P

430 450 470
CACGTCCTCTCCAGGAAGGGACCCCGGGTCCACGAAGTCCCCACGCCCTCTCCAGGAGGGG
R P L Q E G T R V H E L P T P S P G G D

490 510 530
ACCCGGGTCCACGAGCTGCCCACGTCGTCAACGGGAAGGGACCCCGGGTCCACGAGCTGCC
P G P R A A H V V N G K G P G S T S C P

Figure 7A

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550 570 590
CACGTCCTCTCCAGGAAGGGACCCGGGTCCACGAACTGCCCACGCGCTCTCCAGGAGGGG
R P L Q E G T R V H E L P T R S P G G D

610 630 650
ACACCGGGTTTCACGAGCTGCCCACGCCCTCTCCAGGAAGGGACCCCGGGTTTCACGAGCTG
T G F T S C P R P L Q E G T P G S R A A

670 690 710
CCCACGTCCTCTCCAGGAGGGGACACCGGGTTTCACGAGCTGCCCACGTCCTCTCCAGGAG
H V L S R R G H R V H E L P T S S P G G

730 750 770
GGGACACCGGGTTTCACGAGCTGCCCACGCCCTCTCCAGGAGGGGACACCGGGTTTCACGAG
D T G F T S C P R P L Q E G T P G S R A

790 810 830
CTGCCCACGTCCTCTCCAGGAAGGGACCCGGGTCCACGAGCTGCCCACGTCCTCTCCAGG
A H V L S R K G P G S T S C P R P L Q E

850 870 890
AGGGGACACCGGGTTTCACGAGCTGCCCACGCACTTTCCAGGAAGGGACCCCGGGTTTCAGG
G T P G S R A A H A L S R K G P R V Q V

910 930 950
TCTCCTGCCGGCCCCACATCGTGCCTTTGTGTAAATCAGAAGAAAGATGAGGAACAGGCCC
S C R P T S C L C V N Q K K D E E Q A L

970 990 1010
TCCTCTCTCTCCAGGCAGGCTTTGGTGGAGGGGCTGGATCTCCTGCCGCACCTTCCCTGG
L S L Q A G F G G G A G S P A A P S L A

1030 1050 1070
CAGGGCACCCCTGTGCTTGAGCCCCAGAAGTGCAGGCGGGCCGGCAGAGAAGGGGTCCATGA
G H P V L E P Q N C R R P A E K G S M M

Figure 7B

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1090	1110	1130
TGGCGCCTCGGTGCGCAGCCTTGGACCTGCCCCCATGGACCTGGGAACCTCCCGGCTCTT		
A P R C A A L D L P P W T W E P P G S S		
1150	1170	1190
CCCACTCGGGAAAGGAAGGCTCTGGGCATGGAGGTCGGCCAGGCCCCATCCCCGTACCCT		
H S G K E G S G H G G R P G P I P V P W		
1210	1230	1250
GGCCCTTCTTCCTGCTTCCTGTTTGTCACTGCCCCGGGGCCTTTGCACCTGCATTCCCTC		
P F F L L P V C H C P G A F A P A F P L		
1270	1290	1310
TCTCTGTGAGTGTCTTGGGGCCCGTTACCCACGTCACCGTCCCAGGATACCTTTTCTTTT		
S V S V L G P V T H V T V P G Y L F F S		
1330	1350	1370
CTTTCTCTCTCCAGCTTTATTGAGGTATAGTTGACAATTCAGGACGGTGTGCACTCAA		
F S L S S F I E V *		
1390	1410	1430
GGTATGCAGCATCACACCTGACACACGTAGGCATTGTGAAATGAGTCCCACAATTGGGC		
1450	1470	1490
TAATTAACACACCCATCACCTTACATGGTTACTTCTTTCTGTGGTGAGAACTAAATTT		
1510	1530	1550
TAAATAGAGGACACACAGCCTGGGCAACATAGTGAGACCCTGTCTCTACAAATATAAAAA		
1570	1590	1610
AATTATCTGGACGTGGTGGTGACACCTGTGGTCCCAGCTACTTGGGAAGCTGAGGCTGG		
1630	1650	1670
AGAATCACTTGAGCCTGGGAGGCGGAGGTTGCGGTGCACTCCAGCCTGGGCGACAGAGGG		

Figure 7C

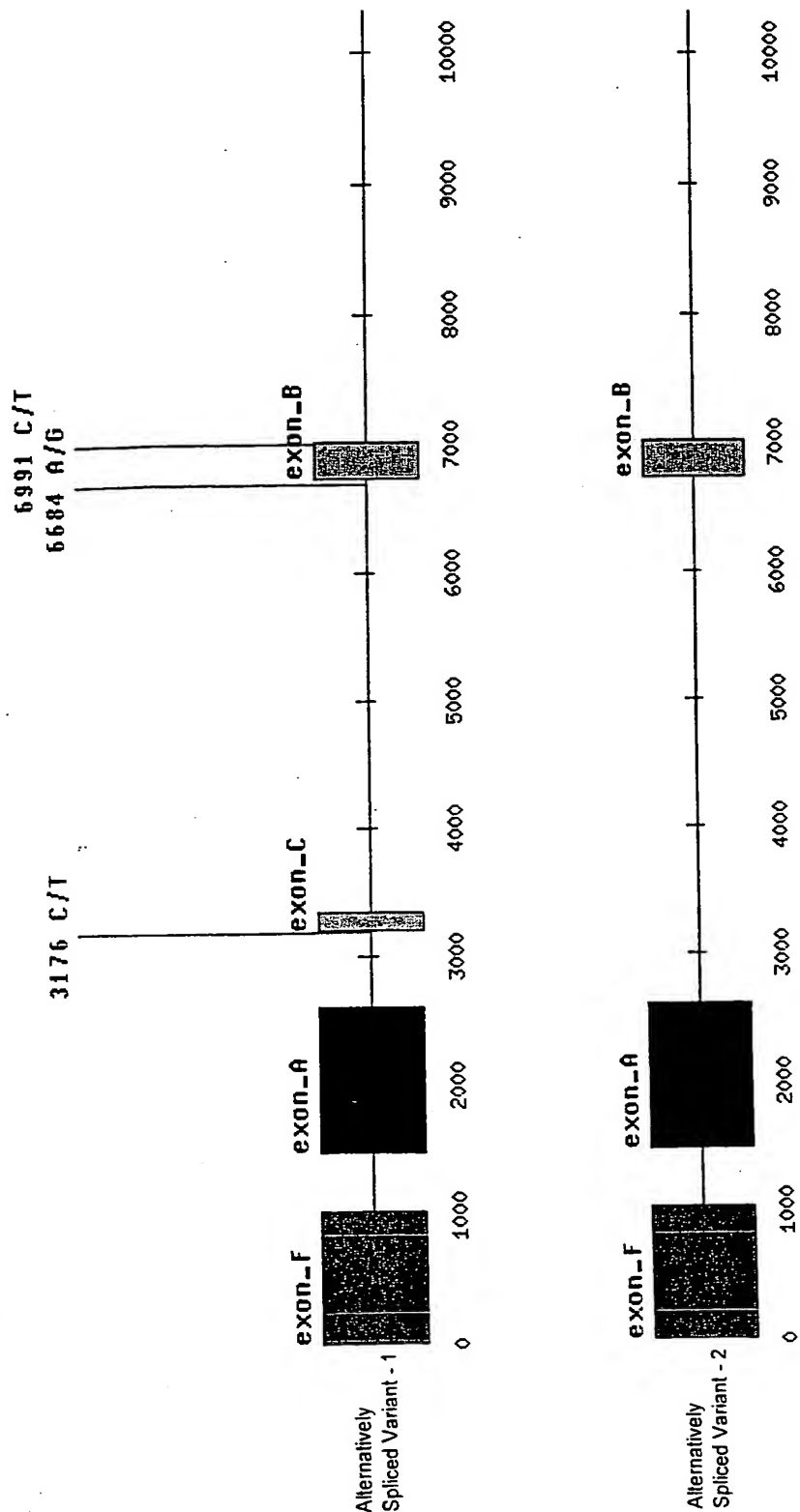
1690

1710

1730

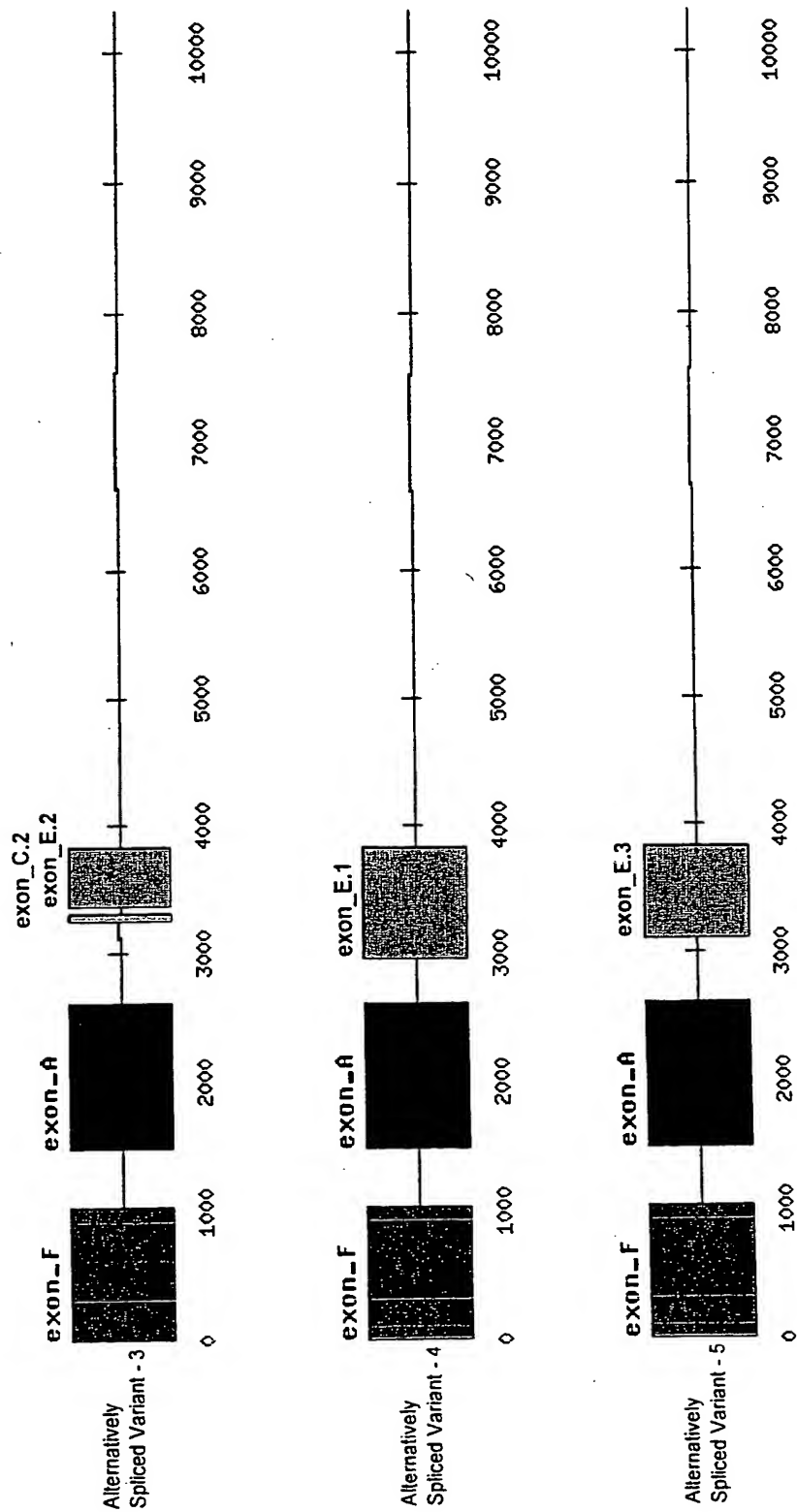
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AAAA



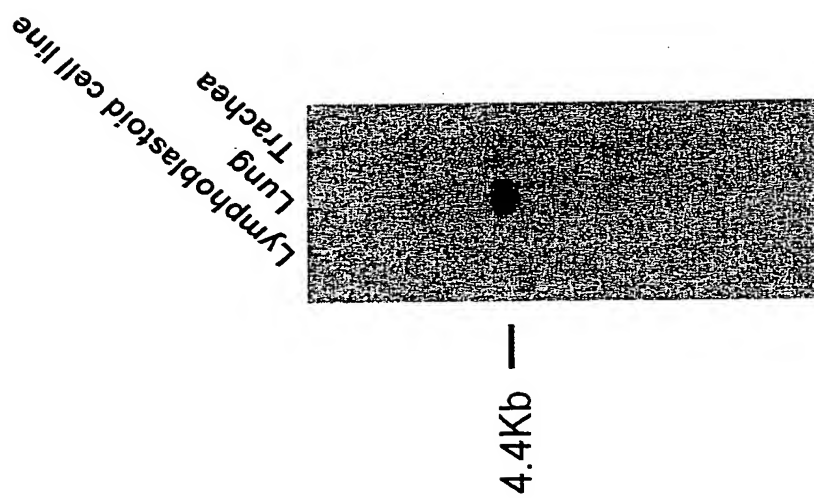
Alternatively Spliced Variants from Gene 214

Figure 8A



Alternatively Spliced Variants from Gene 214

Figure 8B



Northern blot analysis of Gene 214

Figure 9

>Gene 214 Exon_A

TCACGAGCTGCCCACGTCTCTCCAGGAAGGGACCCCGGGTTACAGAGCTGCCCACGTCTG
TCTCCAGGAAGGGACCCCGGGTCCACGAGCTGCCCACGTCTCTCTCCAGGAAGGGACCCGGG
TCCACGAGCTGGCCACGTCTCTGTCAGGAAGGGACCCCGGGTCCACGAGCTGCCCACGTCT
CTCTCCAGGAAGGGACCCCGGGTTACAGAGCTGCCCACGTCTCTCTCCAGGAAGGGACCC
GGGTCCACGAGCTGCCCACGTCTCTCCAGGAAGGGACCCCGGGTCCACGAAGTGGCCAC
GTCCTCTCTCCAGGAAGGGACCCCGGGTTACAGAGCTGCCCACGTCTCTCTCCAGGAGGGGAC
ACCGGGTTACAGAGCTGCCCACGCTCTCTCCAGGAAGGGACCCCGGGTTCTATGAGCTGCC
CACGTCTCTCTCCAGGAAGGGACCCCGGGTCCACGAAGTGGCCACGCTCTCTCCAGGAGGGG
ACCCCGGGTCCACGAGCTGCCCACGTCTCTCAACGGGAAGGGACCCCGGGTCCACGAGCTGCC
CACGTCTCTCTCCAGGAAGGGACCCCGGGTCCACGAAGTGGCCACGCTCTCTCCAGGAGGGG
ACACCGGGTTACAGAGCTGCCCACGCTCTCTCCAGGAAGGGACCCCGGGTTACAGAGCTG
CCCACGTCTCTCTCCAGGAGGGGACACCGGGTTACAGAGCTGCCCACGTCTCTCTCCAGGAG
GGGACACCGGGTTACAGAGCTGCCCACGCTCTCTCCAGGAGGGGACACCGGGTTACAGAG
CTGCCCACGTCTCTCTCCAGGAAGGGACCCCGGGTCCACGAGCTGCCCACGTCTCTCTCCAGG
AGGGGACACCGGGTTACAGAGCTGCCCACGCTCTCTCCAGGAAGGGACCCCGGGTTACAGG
TCTCTGCGGCCACATCGTGCCTTTGTGTAAATCAGAAGAAAGATGAGGAACAGGGCCC
TCCTCTCTCTCCAGGAGGCTTTGGTGGAGGGGCTGGATCTCTCTGCGCACCTTCCCTGG
CAGGGCACCTGTGCTTGAGCCCCAGAACTGCAGGCGGCGGCAGAGAAGGGGTCCATGA
TGGCGCCTCGGTGCGCAGCCTTGACCTGCCCCCATGGACCTGG

>Gene 214 Exon_B

AGACAGGGTTTCTCCTCATTGGCCAGGCTGGTCTCGAACTCCTGACCTCAGACGATCCAC
CTGCCTCAGCCTCCCGAAGTGTGGGATTACAGGCACGAGCCACTGTGCCCCGGCCATCAT
TCCTTTTACTGCTGACTAATAGTCTGCTGTGTGAATCCACCGCTAGAAACCCACTCATC
AGTTGATGGTCATGTGGGTGCTTCTGCTATTTCGCTTATTATGAACAGTGCTGGAATAAA
CGTTCCTGTGCACTCTTGGGCATACGCCTAGGAGTGGAAGTGTGGGTG

>Gene 214 Exon_C

GAACCTCCCGGCTCTTCCCACTCGGGAAAGGAAGGCTCTGGGCATGGAGGTCGGCCAGGC
CCCATCCCGGTACCCTGGCCCTTCTTCTGCTTCTCTGTTTGTCACTGCCCCGGGGCCTTT
GCACCTGCATTCCCTCTCTCT

>Gene 214 Exon C.2

GAACCTCCCGGCTCTTCCCACTCGGGAAAGGAAGGCTCTGGGCATGGAG

>Gene 214 Exon E.1

ATGCCAGTGATGCCTGAGGTCTGCAGGGCAGTGCATACGCTCACCGCCTGGCCGCTCAGG
AGCCTGTGCTTGACCCCCAAATCCGCCCCCAACTCCCTGTTACCGGCTCACTCCTTCCA
TGAGGGGCTTCCCCAGGGACAGCCGATGCTCTCTGATGGCTCCTGCCCTTGACAGAGTG
CTGCCCCCGCTGCCACCTGGCCTGGACCTCGCCTGAGCCCCCTCAGGGCTCTGCGCC
ACCTCAACCCAGGCGTTTGTTCGCGAGGAACCTCCCGGCTCTTCCCACTCGGGAAAGGAA
GGCTCTGGGCATGGAGGTGCGGCCAGGCCCATCCCCGTACCCTGGCCCTTCTTCTGCTT
CCTGTTTGTCACTGCCCCGGGGCCTTTGCACCTGCATTCCCTCTCTCTGTGAGTGTCTG
GGGCCCGTTACCCACGTACCGTCCCAGGATACCTTTTCTTTTCTTCTCTCTCTCCAGC
TTTATTGAGGTATAGTTGACAATTGAGGACGGTGTGCACTCAAGGTATGCAGCATCACAA
CCTGACACACGTAGGCATTGTGAAATGAGTCCCACAATTGGGCTAATTAACACACCCATC
ACCTTACATGGTTACTTCTTTCTGTGGTGAGAACATAAATTTTAAATAGAGGACACACA
GCCTGGGCAACATAGTGAGACCCTGTCTCTACAAATATAAAAAAATTATCTGGACGTGGT
GGTGACACCTGTGGTCCCAGCTACTTGGGAAGCTGAGGCTGGAGAATCACTTGAGCCTG
GGAGGCGGAGGTGCGGTGCACTCCAGCCTGGGCGACAGAGGGAGGCCCTATCTCAAAAT
AAATAAATAAAGGACACATTCTTATC

FIGURE 10A

>Gene 214 Exon E.2

CTTTATTGAGGTATAGTTGACAATTCAGGACGGTGTGCACTCAAGGTATGCAGCATCACA
ACCTGACACACGTAGGCATTGTGAAATGAGTCCCACAATTGGGCTAATTAACACACCCAT
CACCTTACATGGTTACTTCTTTCTGTGGTGAGAACACTAAATTTTAAATAGAGGACACAC
AGCCTGGGCAACATAGTGAGACCCTGTCTCTACAAATATAAAAAAATTATCTGGACGTGG
TGGTGACACCTGTGGTCCCAGCTACTTGGGAAGCTGAGGCTGGAGAATCACTTGAGCCT
GGGAGGCGGAGGTTGCGGTGCACTCCAGCCTGGGCGACAGAGGGAGGCCCTATCTCAAAA
TAAATAAATAAAGGACACATTCTTATC

>Gene 214 Exon E.3

GAACCTCCCGGCTCTTCCCCTCGGGAAAGGAAGGCTCTGGGCATGGAGGTCGGCCAGGC
CCCATCCCCGTACCCTGGCCCTTCTTCCTGCTTCCTGTTTGTCACTGCCCCGGGGCCTTT
GCACCTGCATTCCCTCTCTCTGTGAGTGTCTGGGGCCCGTTACCCACGTCACCGTCCCA
GGATACCTTTTCTTTTCTTCTCTCTCTCCAGCTTTATTGAGGTATAGTTGACAATTCAG
GACGGTGTGCACTCAAGGTATGCAGCATCACAACCTGACACACGTAGGCATTGTGAAATG
AGTCCCACAATTGGGCTAATTAACACACCCATCACCTTACATGGTTACTTCTTTCTGTGG
TGAGAACACTAAATTTTAAATAGAGGACACACAGCCTGGGCAACATAGTGAGACCCTGTC
TCTACAAATATAAAAAAATTATCTGGACGTGGTGGTGACACCTGTGGTCCCAGCTACTT
GGGAAGCTGAGGCTGGAGAATCACTTGAGCCTGGGAGGCGGAGGTTGCGGTGCACTCCAG
CCTGGGCGACAGAGGGAGGCCCTATCTCAAAATAAATAAATAAAGGACACATTCTTATC

>Gene 214 Exon F

CGGGCGTGTATATCTCTTCATAGAGAGCGCTCAGACAGCGTGCCTTAATCTGCGTCGATA
TATAGAGATCTTTATCACTGAGTAGATAGAACGTACATGAATGTACGAACAGTCCAGACG
AGTAACTTGACTAGGATAAGATAGACAGTACCAACTAATGAGACAAGAAGAGGGAATCAT
ATAGAATCATGTAGTCTGAGTCTAGCGAGTGTGACATGATCACAAGCGAAATACAGACT
ATGAGAAGAGGTAGAAATAATAAGTANACTGAGAAGAGAGGTCATATGTACATACAAATC
AGTAAAGCAATAGAAATTGAATACATTATAAGCCACAGTTACAGAATTAGCCTAATTTAA
CAACCATGGCAAGCGAGTTATATCAAACATAGAAGAGTAACTCTATCGACCATGGGTAG
GAACGAATAAAGGCGTCGAGAAGACAATAAGAATGCGTGTTAAACAGCAATACAAGAGAA
TAGCACCACCTGAAGCAGACCAAAGGCGTCACCGGGGAAGTAGGGAAGAGGCACCTCACA
GGAGAGGAAGGGCAGTCCTGATTTTGAAAATTTTCAGTGAAAAGACAGTGTTGTTCCCGG
AGGCAGCTTAGTGATCCCGCATCGACTCTGAAGAGGACCCTGAGGGTAGGGGATTTTTGG
GCCTGACCGGCCTATGCTGAACGCCCCACCGGAATTCAGGGAGAAACACGGGGCCCCGGC
TTCCAGGAGAGCAGCCAGGCCACAGCCCTGAGGACGGGCAAACCCCACCCAGGCACGGTG
AGAGGGAGGCCCGCCAGGCCTGGGGCCTGGCGGCAGGGGATGAAGTGACAGAGCCCCG
CAAATCCTAACGTGGGTGAGCAGTGAGCCTGTGTGGCTGCGAGTGGCTCCGTTTTGGGGC
TGTTTTGTTCTGTCAGCAAATGATGCCAGCCCTGACGGAACCAAGTGACAGTCCACCACGAG
CTGCCCACGTCCTCTCCAGGAAGGGACCCGGGTCCACGAGCTGCCCACGTCCTCTCCAGG
AAGGGACC

FIGURE 10B